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	CLASS	SUBCLASS

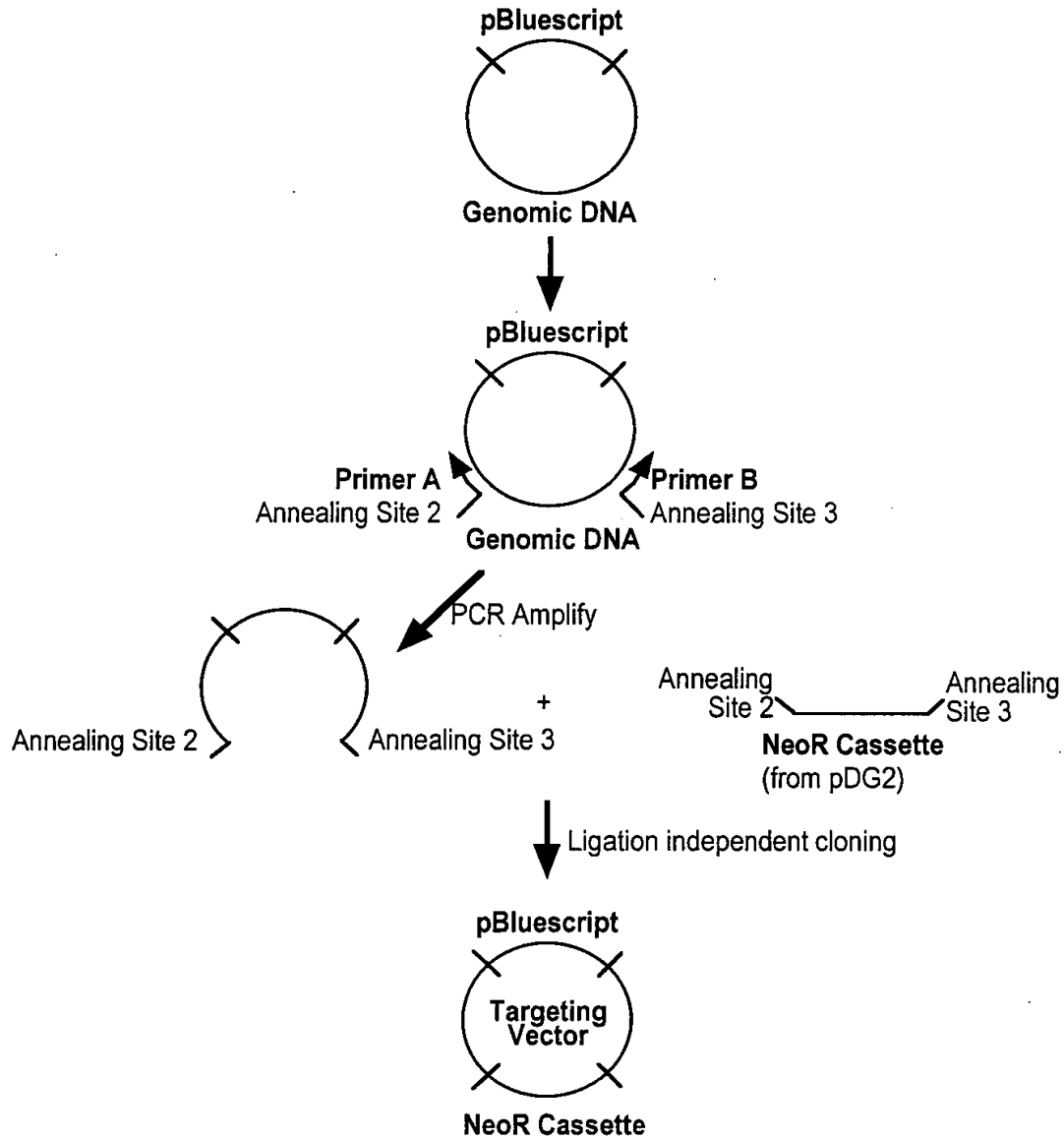
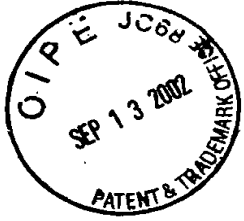


Fig. 1



O.G. FIG.	
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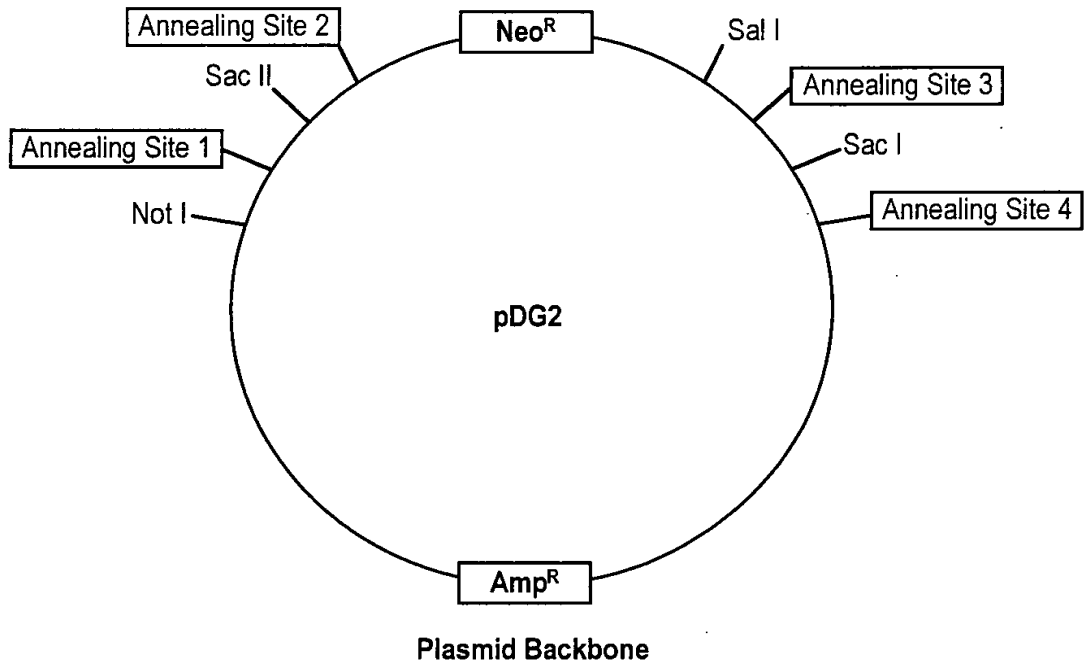
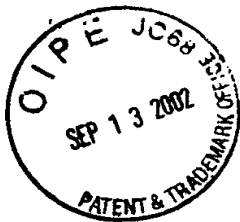
**Fig. 2A**

Fig. 2B



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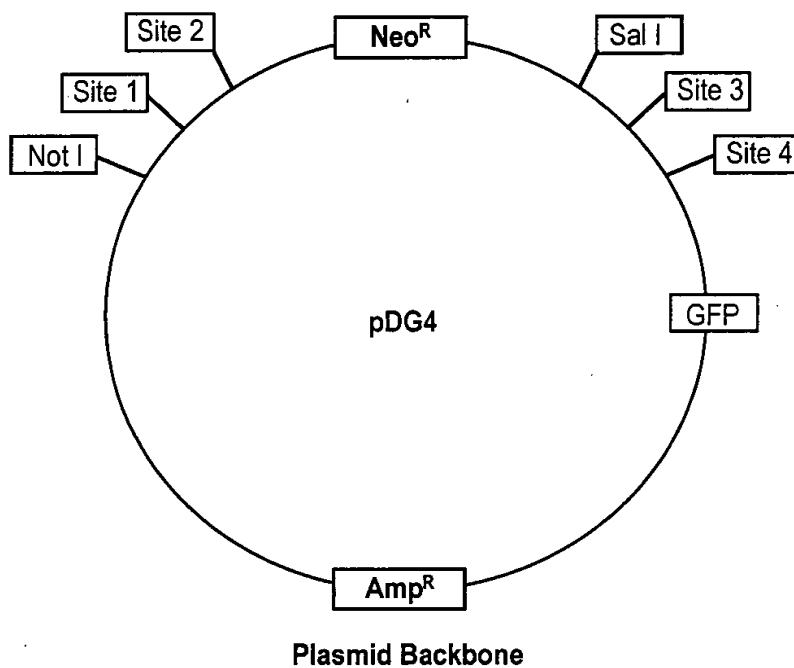


Fig. 3A



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	CLASS	

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Fig. 3b-1



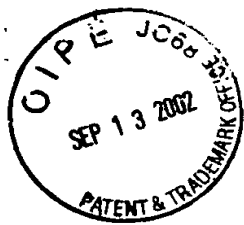
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	CLASS	SUBCLASS

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Fig. 3B-2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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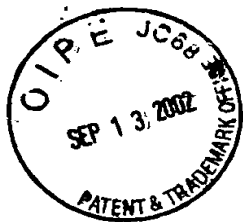
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Annealing Site	Sequence	Sequence after digestion
1	5' tgtgtcctcttggcttgcttccaa... 3' 3' acacgaggagaaacccaacgaaggtt... 5'	5' tgtgtcctcttggcttgcttccaa... 3' 3' tt... 5'
2	5' ctggttcttgtctggcttgcccaa... 3' 3' gaccaagaacagaccgaaccgggtt... 5'	5' ctggttcttgtctggcttgcccaa... 3' 3' tt... 5'
3	5' ggctcgtctctgtgtcgttccaa... 3' 3' ccaggagcgagacacaggaactt... 5'	5' ggctcgtctctgtgtcgttccaa... 3' 3' tt... 5'
4	5' ttgctgtcctgtgtcgtcgaa... 3' 3' aaacgcacaggacacagcagctt... 5'	5' ttgctgtcctgtgtcgtcgaa... 3' 3' tt... 5'

Fig. 4

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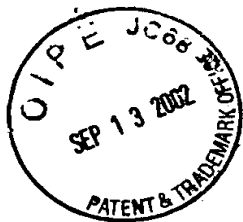
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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Annealing Site	Sequence	Sequence after digestion
1	5' AAtgtgtctctcttctgtggttgcctccgc 3' 3' Ttacacgaggagaaaccgaacgaagg 5'	5' AA 3' Ttacacgaggagaaaccgaacgaagg 5'
2	5' AActgttcttctgtctggttggcccgcc 3' 3' Ttgaccaagaacacagaccgaaccggg 5'	5' AA 3' Ttgaccaagaacacagaccgaaccggg 5'
3	5' AAggtcctcgctctgtgtccgttgagct 3' 3' Ttccaggagcgagacacaggcaac 5'	5' AA 3' Ttccaggagcgagacacaggcaac 5'
4	5' AAttgcggtgtcctgtgtcgtcgagct 3' 3' Ttaaacgcacaggacacagcagc 5'	5' AA 3' Ttaaacgcacaggacacagcagc 5'

Fig. 5



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O.G. FIG.	
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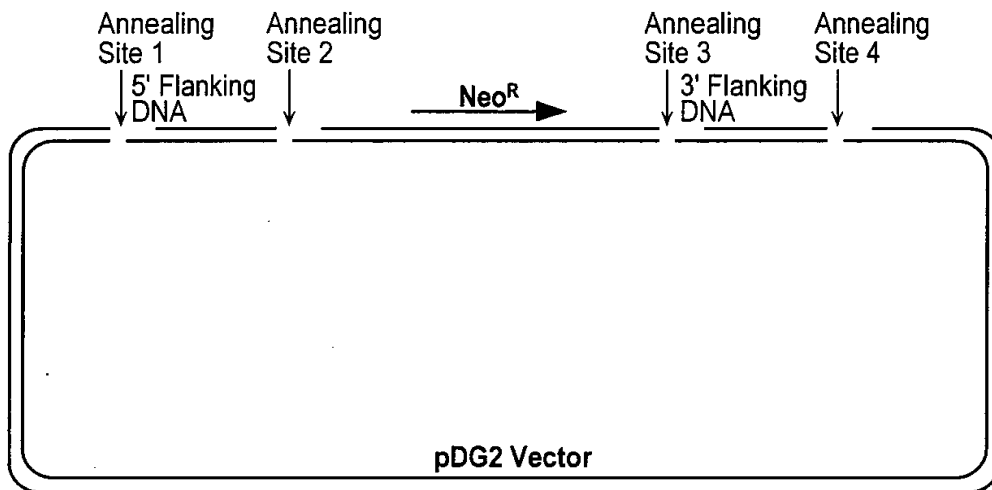
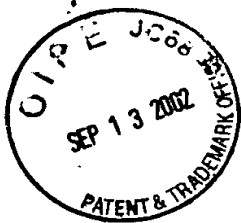


Fig. 6



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	CLASS	SUBCLASS

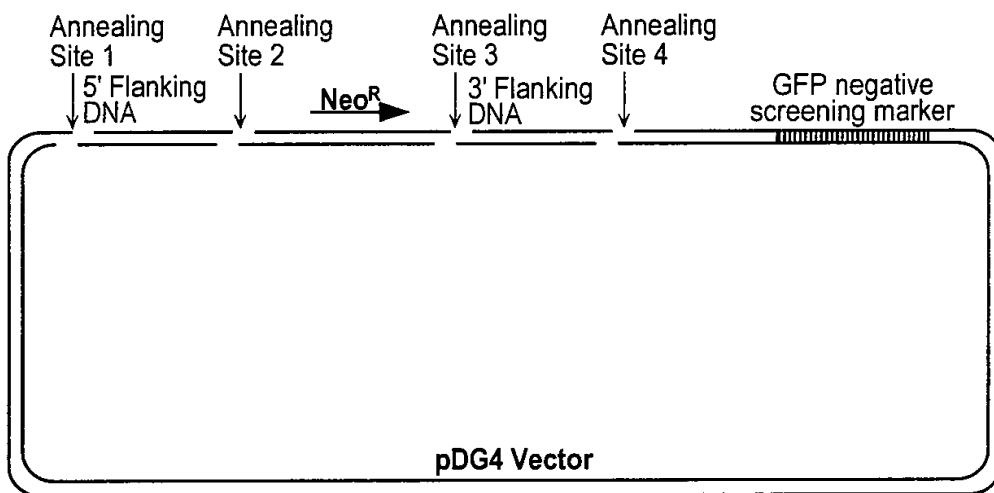
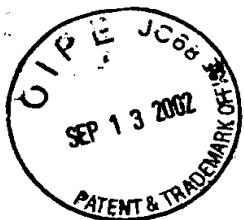


Fig. 7



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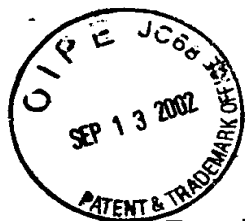
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ATGCCCCGACTCCGAGATTGCTTCCCTCTGGACATGGGTGTCGTGGGCCACGTCGACACTCCAAAAAGATTGCCAATGTCC
CCAACACAGAAGAGGATGAGCATTCTGTGACTTTCGTGGACAATCTCACAGAATATCAGACCAAGAACATCCTGGCTTCCCC
CATCATGAATGGGAAGGATGTGGTAGCCATAATCATGGCTGTGAATAAAATAGATGAACCCCACTTCACCAAGAGAGATGAA
GAGATTCTTCTCAAGTACCTCAACTTTGTGAACCTGATCATGAAGGTATTCCACCTGAGCTACCTGCACAACCTGTGAGACTC
GTCGCGGCCAGATATTGCTGTGGTCTGGGAGCAAGGCTCTTGGAGGAGCTCACGGATATAGAGAGGCAGTTCCACAAGGCCCT
GTACACGGTCCGGGCTTCTCAACTGTGACAGATACTCCGTAGGACTCTTAGACATGACCAACAGAAGGAATTTTTGTAT
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AGTACAGAATTATACGGAATTC

(SEQ ID NO:19)

Fig. 8A

APPROVED	BY	O.G. FIG.	
		CLASS	SUBCLASS
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Targeting Vector (5' arm; 200 bp flanking neo insert):

GGAGGTAGAAAAGTTCTTGGATTCAAATATTGGCTTTGCCAAACAGTACTATAACTTTCACTACCGGGGGAAGGT
CATCTCAGACCTCCTCGGGGCCAAGGAGGCAGCCGTGGACTTCAGCAACTACCACGATGTGAACAGCGTAGAGGA
GAGTGAGATCATCTTTGACCTCCTGCGGGACGTTCAGGAGAACTTACAGG
(SEQ ID NO:20)

O.G. FIG.	SUBCLASS
	CLASS
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Targeting Vector (3' arm; 200 bp flanking neo insert):

TGTCGTGGGCCACGTCGCACACTCCAAAAAGATTGCCAATGTCCCCAACACAGAAGAGGTACGCTCTCCCCATAA
GATGGATGTACGAATGCACTGTTCCCTGGGGTTCTGGAGTCCAAGCTGGCTGGGCTGTTGCTGGCCACCAAACCT
GGGCTAGTCATAGCACGATACCACTCTCTATTTATAAAAAATACTTAGAA
(SEQ ID NO:21)

Fig. 8B